

## REMARKS

Claims 1-12 are currently active.

Claims 1 and 12 have been amended. Antecedent support for the amendments is found on page 12, lines 10-12.

One clock cycle is now defined in the claim along with what is being evaluated in one clock cycle.

It is repeated in numerous places throughout the application then each three-dimensional evaluation requires only one clock cycle. In fact, the entire specification basically explains and describes the operation of the claimed invention. There is essentially nothing left for one skilled in the art to figure out to practice the claimed invention. One skilled in the art, who will generally be defined to have the background and capabilities of the inventor, a professor at New York University, whose job it is to teach students and explain how the subject matter and the technology he teaches, works; from reading the specification of the above-identified patent application would know how to practice the claimed invention.

Furthermore, one skilled in the art knows exactly what a three-dimensional evaluation is in regard to Perlin noise, and it is further set out in detail in regard to the enablement description in the specification, which if there was any confusion, one skilled in the art would look to for a definition. Accordingly, Claims 1-12 are clear and definite.

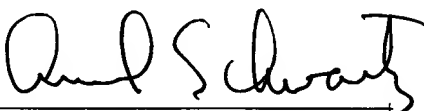
The Examiner has rejected Claims 1 and 12 as being anticipated by Ye. Applicant respectfully traverses this rejection. Ye does not teach or suggest anywhere the limitation that each three-dimensional evaluation of one x, y, z triplet requires only one clock cycle, where one clock cycle is between 200-300 MHz. It is respectfully submitted that such limitation does carry patentable weight. This language is a specific limitation that further defines the claimed invention and the capability of the elements. Accordingly, Claims 1 and 12 are patentable over Ye.

The Examiner has rejected Claims 2-11 as being unpatentable over Ye. Applicant respectfully traverses this rejection. Claims 2-11 are dependent to parent Claim 1 and have all the limitations of Claim 1. For the reasons Claim 1 is patentable, as explained above, Claims 2-12 are patentable.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 1-12, now in this application be allowed.

Respectfully submitted,

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